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2. The two-stage actuator type magnetic head positioning mechanism according to Claim 1, wherein said base plate is opened at a place where said base plate and said magnetic head supporting section overlap each other and is junctioned to said actuator spring in a manner that said base plate surrounds external edges of said driving spring section of said actuator spring.

3. The two-stage actuator type magnetic head positioning mechanism according to Claim 1, wherein said driving spring section of said actuator spring is composed of a short plate spring and of a pair of side springs made from long plate springs and wherein said center spring is disposed on said center axis of said actuator spring while each of said side springs is disposed, with said center spring interposed between said side springs, in a direction being intersected almost at right angles to said center axis of said actuator spring and wherein said base plate is junctioned to said actuator spring, at least, at a root area of said center spring and said side springs.

4. The two-stage actuator type magnetic head positioning mechanism according to Claim 2, wherein said driving spring section of said actuator spring is composed of a short plate spring and of a pair of side springs made from long plate springs and wherein said center spring is disposed on said center axis of said actuator spring while each of said side springs is disposed, with said center spring interposed between said side springs, in a direction being intersected almost at right angles to said center axis of said actuator spring and wherein said base plate

10 is junctioned to said actuator spring, at least, at a root area
11 of said center spring and said side springs.

1 5. The two-stage actuator type magnetic head
2 positioning mechanism according to Claim 1, wherein said pair of
3 driving voids to absorb vibration of said magnetic head supporting
4 section and extension/shrinkage of said piezo-electric elements
5 is formed at both sides of a mounting position of said magnetic
6 head supporting section in said state being symmetrical right and
7 left with respect to said center axis of said actuator spring and
8 wherein each of said pair of piezo-electric elements is connected
9 to said magnetic head supporting section and to said actuator
10 spring in a manner that each of said piezo-electric elements
11 straddles each of said driving voids along both sides of said
12 mounting position of said magnetic head supporting section and
13 said driving spring section is mounted between said actuator
14 spring and said magnetic head supporting section.

1 6. The two-stage actuator type magnetic head
2 positioning mechanism according to Claim 2, wherein said pair of
3 driving voids to absorb vibration of said magnetic head supporting
4 section and extension/shrinkage of said piezo-electric elements
5 is formed at both sides of a mounting position of said magnetic
6 head supporting section in said state being symmetrical right and
7 left with respect to said center axis of said actuator spring and
8 wherein each of said pair of piezo-electric elements is connected
9 to said magnetic head supporting section and to said actuator
10 spring in a manner that each of said piezo-electric elements
11 straddles each of said driving voids along both sides of said

12 mounting position of said magnetic head supporting section and
13 said driving spring section is mounted between said actuator
14 spring and said magnetic head supporting section.

1 7. The two-stage actuator type magnetic head
2 positioning mechanism according to Claim 5, wherein said driving
3 spring section of said actuator spring is composed of said center
4 spring made from one short plate spring and a pair of side springs
5 made from long plate springs and wherein said center spring is
6 connected to said magnetic head supporting section and to said
7 actuator spring on said center axis of said actuator spring at
8 an end portion of said magnetic head supporting section being
9 nearer to said holder arm while each of said side springs is
10 connected to said magnetic head supporting section and to said
11 actuator spring in a manner that each of said side springs
12 straddles each of said driving voids and in a manner that each
13 of said side springs intersects almost at right angles to each
14 of said piezo-electric elements.

1 8. The two-stage actuator type magnetic head
2 positioning mechanism according to Claim 6, wherein said driving
3 spring section of said actuator spring is composed of a center
4 spring made from one short plate spring and a pair of side springs
5 made from long plate springs and wherein said center spring is
6 connected to said magnetic head supporting section and to said
7 actuator spring on said center axis of said actuator spring at
8 an end portion of said magnetic head supporting section being
9 nearer to said holder arm while each of said side springs is
10 connected to said magnetic head supporting section and to said

11 actuator spring in a manner that each of said side springs
12 straddles each of said driving voids and in a manner that each
13 of said side springs intersects almost at right angles to each
14 of said piezo-electric elements.

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1 9. The two-stage actuator type magnetic head
2 positioning mechanism according to Claim 5, wherein a part of said
3 base plate on which said magnetic supporting section is laid is
4 separated from a main portion of said base plate in a state in
5 which the separated part of said base plate is nested in said main
6 portion of said base plate and is junctioned to said magnetic head
7 supporting section and a pair of second driving voids being laid
8 on said pair of driving voids so that said pair of second driving
9 voids and said pair of driving voids overlap each other are formed
10 between said portion of said base plate separated to be nested
11 in said main portion of said base plate and said main portion of
12 said base plate and wherein both end portions of each of said pair
13 of piezo-electric elements are connected to said magnetic head
14 supporting section and to said actuator spring through said
15 portion of said base plate separated to be nested in said main
16 portion of said base plate and said main portion of said base plate
17 in a manner that each of said piezo-electric elements straddles
18 each of said second driving voids.

1 10. The two-stage actuator type magnetic head
2 positioning mechanism according to Claim 6, wherein a part of said
3 base plate on which said magnetic supporting section is laid is
4 separated from a main portion of said base plate in a state in
5 which the separated part of said base plate is nested in said main

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1 13. The two-stage actuator type magnetic head

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1 15. The two-stage actuator type magnetic head
2 positioning mechanism according to Claim 1, wherein a boss section
3 is formed on said base plate so that said base plate is connected
4 to said holder arm.

1 16. The two-stage actuator type magnetic head
2 positioning mechanism according to Claim 2, wherein a boss section
3 is formed on said base plate so that said base plate is connected
4 to said holder arm.